HX-38

JAD JW
DWL

24 May 1961

STATINTL [redacted]
Post Office Box 1407
Main Post Office
Washington 13, D. C.

Gentlemen:

Enclosed herewith are four (4) copies of the status report of technical progress on the photographic rectifier for the month of May, 1961.

A copy of the report is being submitted directly to the Contracting Officer.

Very truly yours,

STATINTL [redacted]

cc: Contracting Officer

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PHOTOGRAPHIC RECTIFIER - PRINTER

Report of Technical Progress

I. Progress During April, 1961

Electrical and mechanical assembly has proceeded smoothly during the month. Checkout on unit 2 has not been as rapid as planned partly because of continued testing on unit 1. Assembly of units 3 and 4 has been on schedule. The quantity of electrical assembly has been very high during this period due to improved assembly techniques, training aids and greater technician proficiency through familiarity.

Trouble Areas

Initial checkout of the new EECO tape reader indicates a high electrical noise output. We are maintaining close liaison with the factory engineers and the combined technical effort should result in a satisfactory unit.

This tape reader was chosen because of superior construction of the reading head over the CTI tape reader in unit 1. A definite fix will be necessary by the end of May to insure early delivery of unit 2.

II. Anticipated Progress During May

Unit 1 - Further testing will be required to complete the dodging circuitry and to keep the unit ready for component testing.

Unit 2 - Component testing will be completed and system testing started. Completion of system tests will not be possible until the tape reader is available.

Unit 3 - Wiring and component assembly will be completed and testing will commence.

Unit 4 - Mechanical assembly of major structures will be complete.

Another systems test area will be completed during the month to facilitate the checkout of units 3 and 4. It will be possible to do systems testing with at least 2 units with the new facilities.

STATINTL

Project Engineer

JVS:kp

PHASE DIAGRAM FOR PRINTER

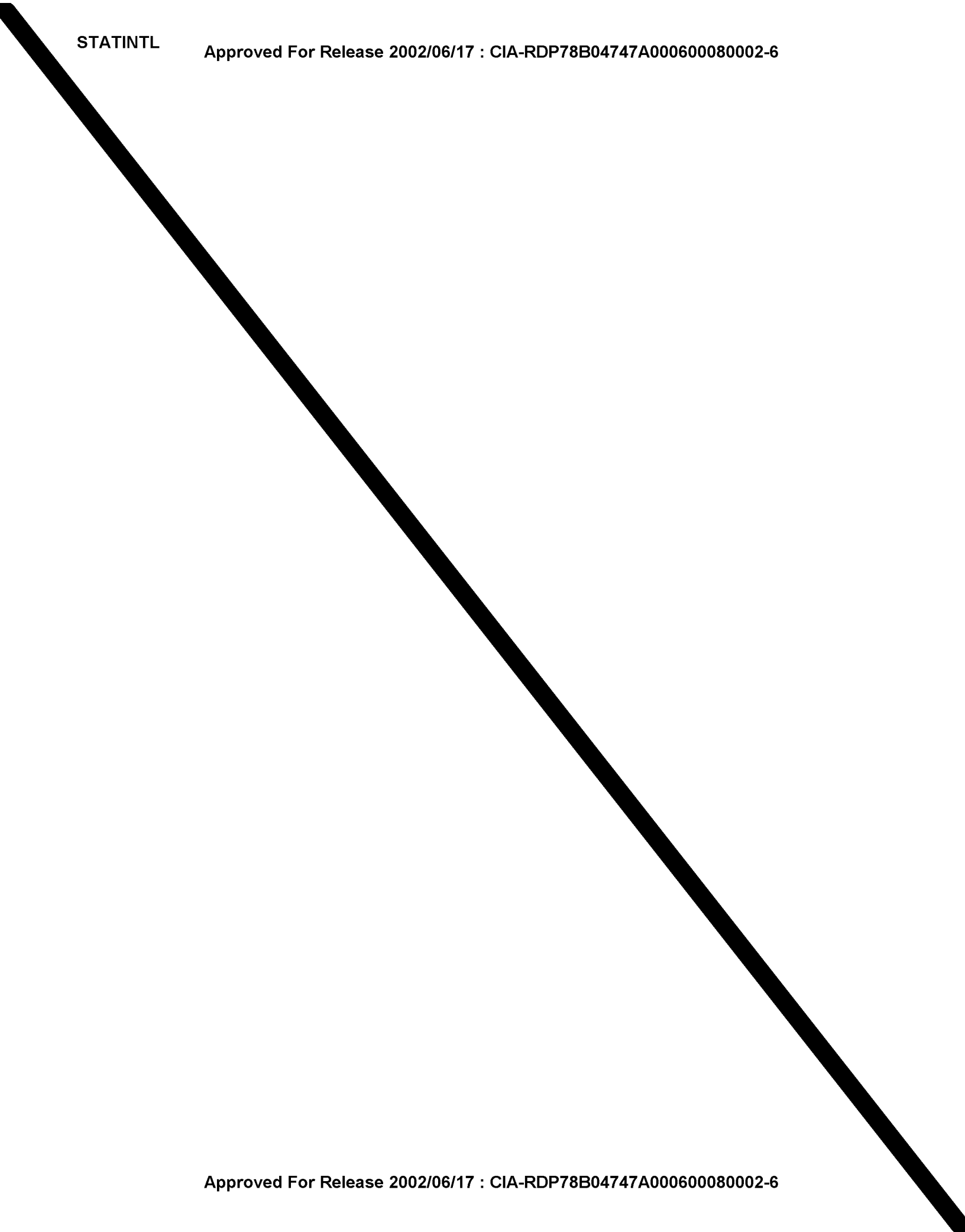
	Pre-design	Design	Release	Purchase Parts	Fabrication	Assembly
Structure		Complete		Complete	Complete	3 Complete 1 In work
CRT Housing		"		"	"	3 Complete
CRT Elect. Parts		"		"	"	2 Complete
Track Assy., X Drive Lead Screw		"		less CR tubes Complete	"	3 Complete
Valve, Pneu. & Vacuum		"	Complete	"	"	Complete
Doors		"	"	"	"	Complete
Focus Current Regulator	Complete	"	"	"	"	Complete
X Deflection Ampl.	"	"	"	"	"	3 Complete
Y Deflection Ampl.	"	"	"	"	"	3 Complete
X Drive Assembly	"	"	"	"	"	3 Complete
Film Index	"	"	"	"	"	3 Complete
Lens Board	"	"	"	"	"	3 Complete
Platen	"	"	"	"	"	Complete
Casettes	"	"	"	"	"	6 Complete
Vacuum Pump				"		Complete
Power Supply 20 KV	"	"	"	"	"	3 Complete
Power Supply 90 V	"	"	"	"	"	Complete
Program Relay Control	"	"	"	"	"	Complete
Gurley Disc Assy.	"	"	"	"	"	3 Complete
Check Pulse Transistor Amp	"	"	"	"	"	Complete
HiFreq. Xsistor Amp	"	"	"	"	"	Complete
Check Pulse Separator	"	"	"	"	"	Complete
Sweep Linearizer	"	"	"	"	1 Complete	1 Complete
CRT Control	"	"	"	"	Complete	3 Complete
Dynamic Focus	"	75% Comp.			1 Complete	
Cables (internal)	"	Complete	"	"	3 Complete	2 Complete 1 In work

PHASE DIAGRAM FOR BREADBOARD

	Pre-Design	Design	Release	Purchase Parts	Fabrication	Assembly
Structure	Complete	Complete	Complete	Complete	Complete	3 Complete 1 In work
CRT Housing	"	"	"	"	Complete	3 Complete
CRT Elect. Parts	"	"	"	Complete	2 Complete	2 Complete
Track Assy., X Drive Lead Screw	"	"	"	Complete	"	3 Complete
Valve, Pneu. & Vacuum	"	"	"	Complete	"	Complete
Doors	"	"	"	"	"	In work
Focus Current Regulator	"	"	"	"	"	2 Complete Complete
X Deflection Amp.	"	"	"	"	"	3 Complete
Y Deflection Amp.	"	"	"	"	"	3 Complete
X Sweep Attenuator	"	"	"	"	"	3 Complete
Y Sweep Attenuator	"	"	"	"	"	3 Complete
Power Supply 20KV	"	"	"	"	"	3 Complete
Power Supply 1KV	"	"	"	"	" "	Complete
PMT Drive & Servo	"	"	"	"	"	Complete
Platen & Index Assy	"	"	"	"	2 Complete	3 Complete
Film Index Drive & Servo	"	"	"	"	Complete	3 Complete
PM Assy. & Video Amplifier	"	"	"	"	Complete	Complete
Optisyn Pre-Amp	"	"	"	"	"	"
Check Pulse Transistor Amp	"	"	"	"	"	"
Dodging Commutator	"	"	"	"	1 Complete	1 Complete
Sweep Linearizer	"	"	"	"	1 Complete	1 Complete
CRT Control	"	"	"	"	Complete	3 Complete
Dynamic Focus	"	75% Compl.	"	"	1 Complete	1 Complete
Cables (Internal)	"	Complete	"	"	3 Complete	2 Complete 1 In work

PHASE DIAGRAM FOR CONSOLE

	Pre-design	Design	Release	Purchase Parts	Fabrication	Assembly
Y Index Register	Complete	Complete	Complete	Complete	Complete	3 Complete
Monitor Scope	"	"		"	Complete	3 Complete
Video Control	"	"		"	"	3 Complete
Sweep Generator	"	"		"	2 Complete	3 Complete
Power Control	"	"	Complete	"	2 Complete	3Complete
Program Control	"	"	"		Complete	3Complete
Power Supply 125V	"	"	"	"	"	Complete
Power Supply ± 300V	"	"	"	"	Complete	3Complete
Scan Servo	"	"	"	"	Complete	3Complete
Scan Comparator	"	"	"	"	"	3Complete
Scan Computer	"	"	"	"	"	2 Complete
Tape Reader	"	"		"	2 Complete	Complete
Power Supply 6.3V	"	"	"	"	Complete	6 Complete
Transportape	"	"		"	"	Complete
Power Supply 28V	"	"	"	"	"	3 Complete
Cables (internal)	"	"	"		3 Complete	2 Complete 1 In work
Rack	"	"	"	"	3 Complete	3 Complete
Power Supply +300V	"	"	"	"	Complete	3 Complete



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